

Figure 1: Synthesis Cycle for Phosphonoacetate Polynucleotides

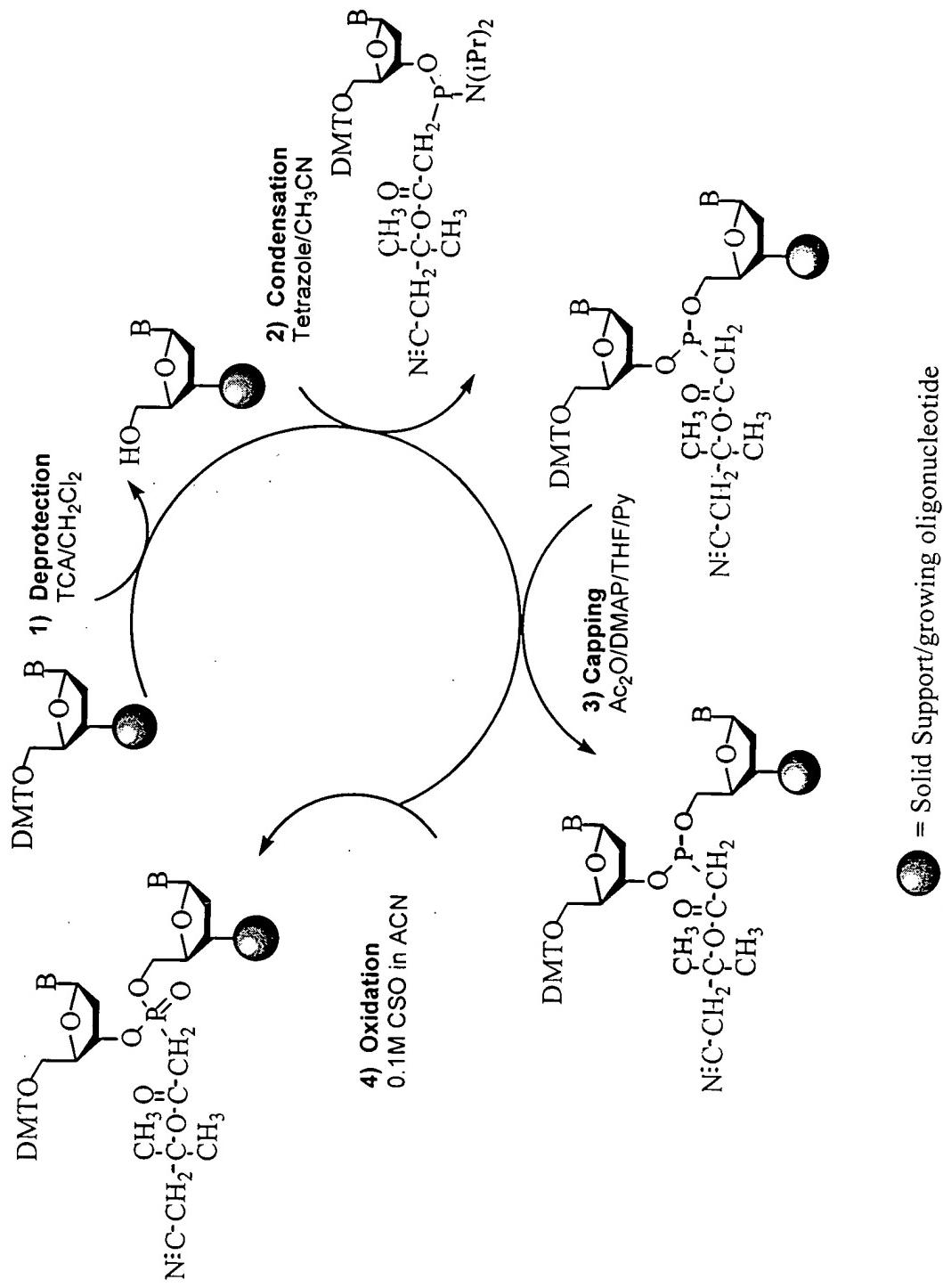
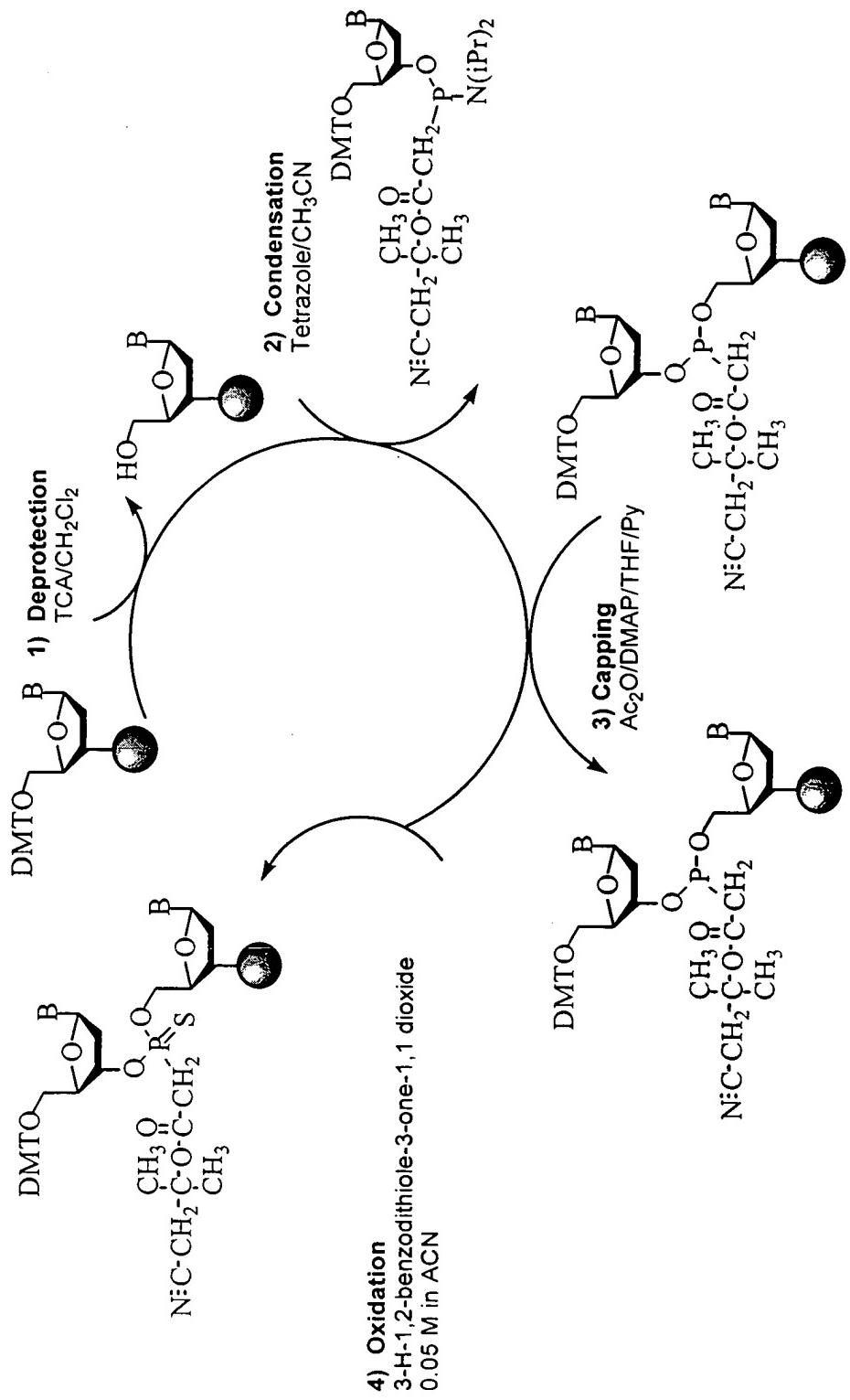


Figure 2: Synthesis Cycle for Phosphonothioate Polynucleotides



● = Solid Support/growing oligonucleotide

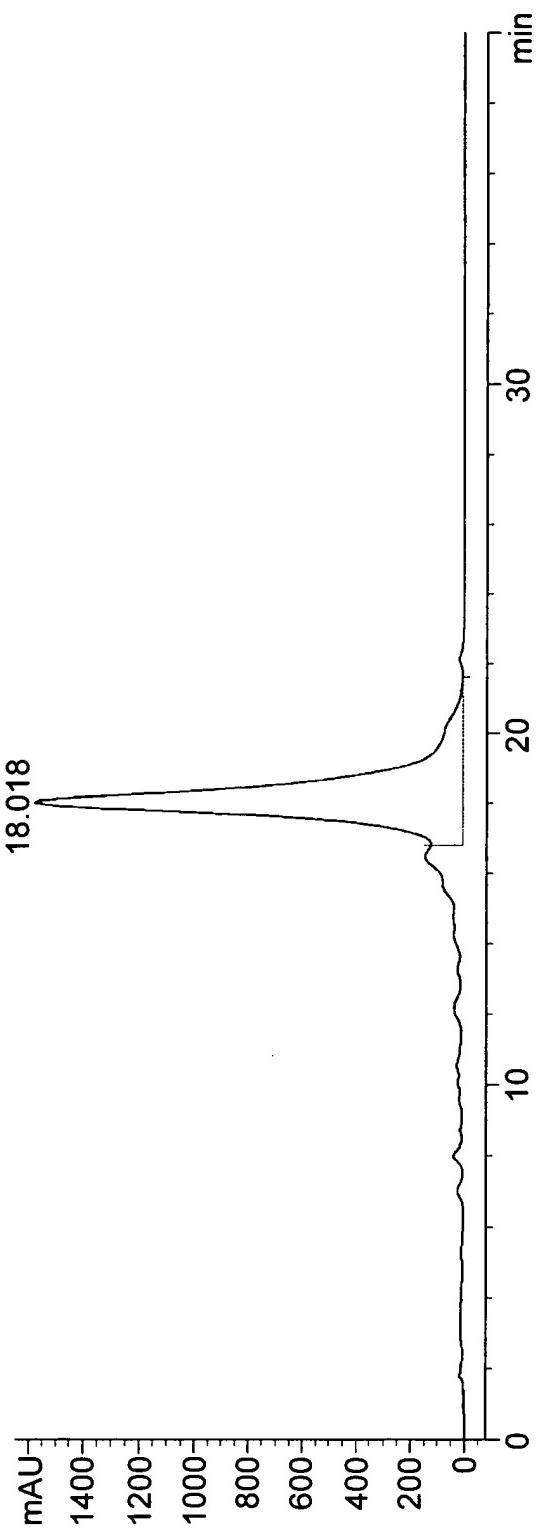


FIG. 3

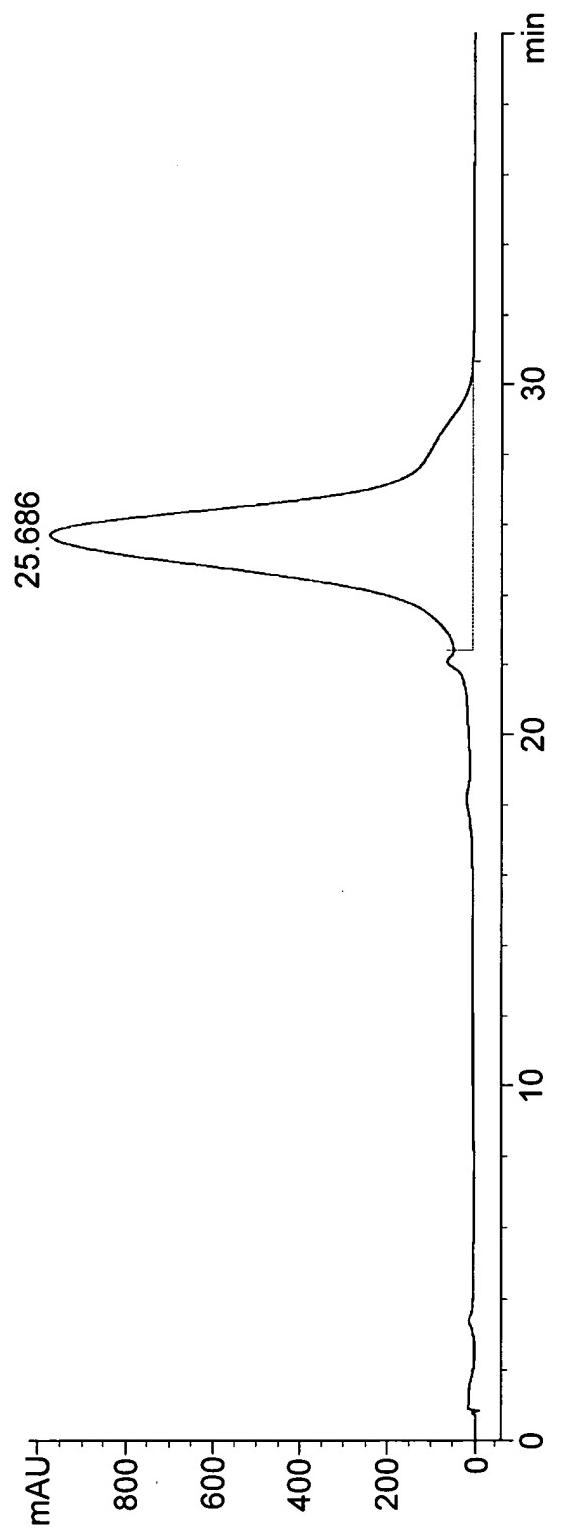


FIG. 4

Spec #1=> MC[BP = 6270.4, 38636]

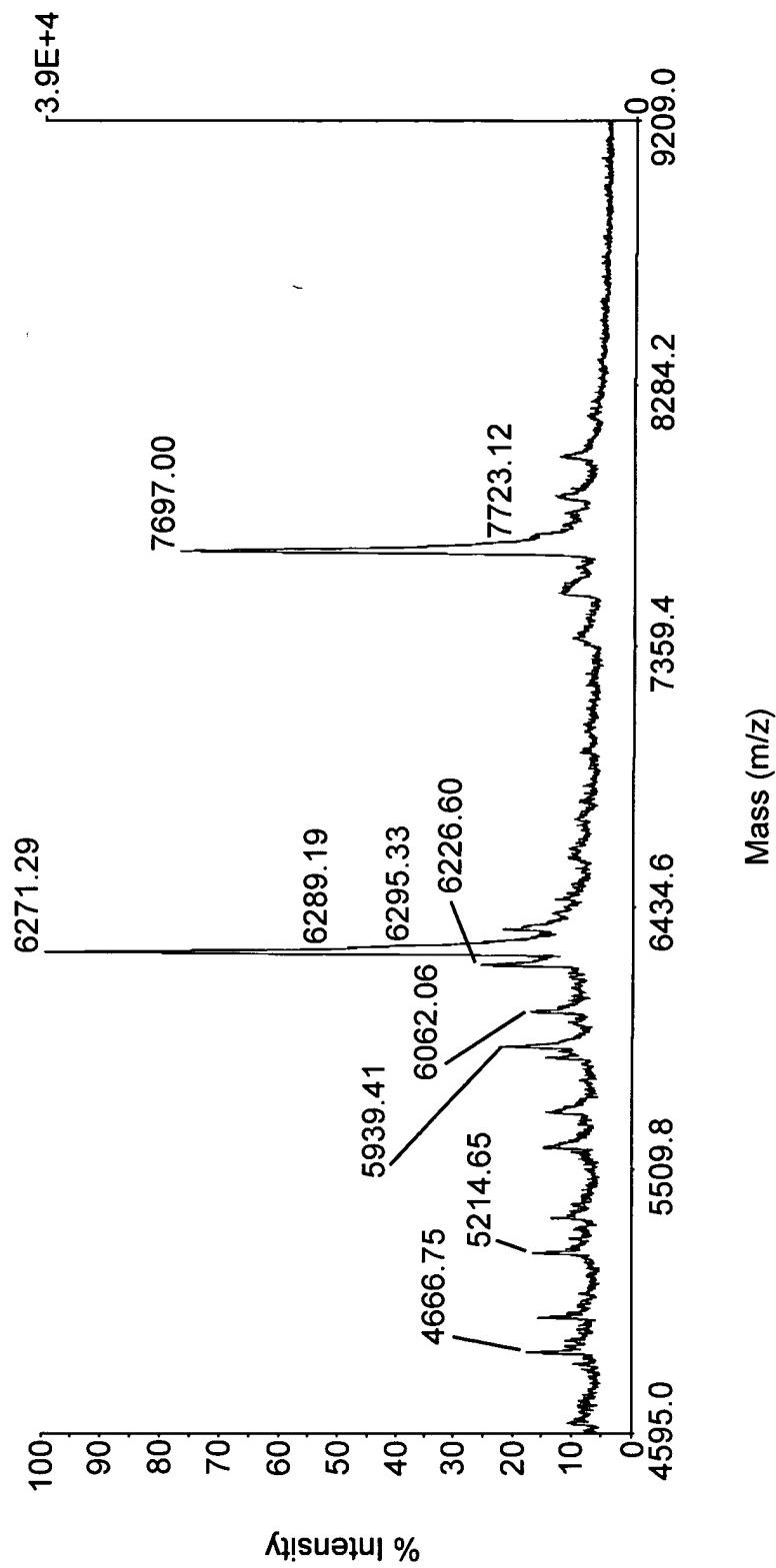


FIG. 5

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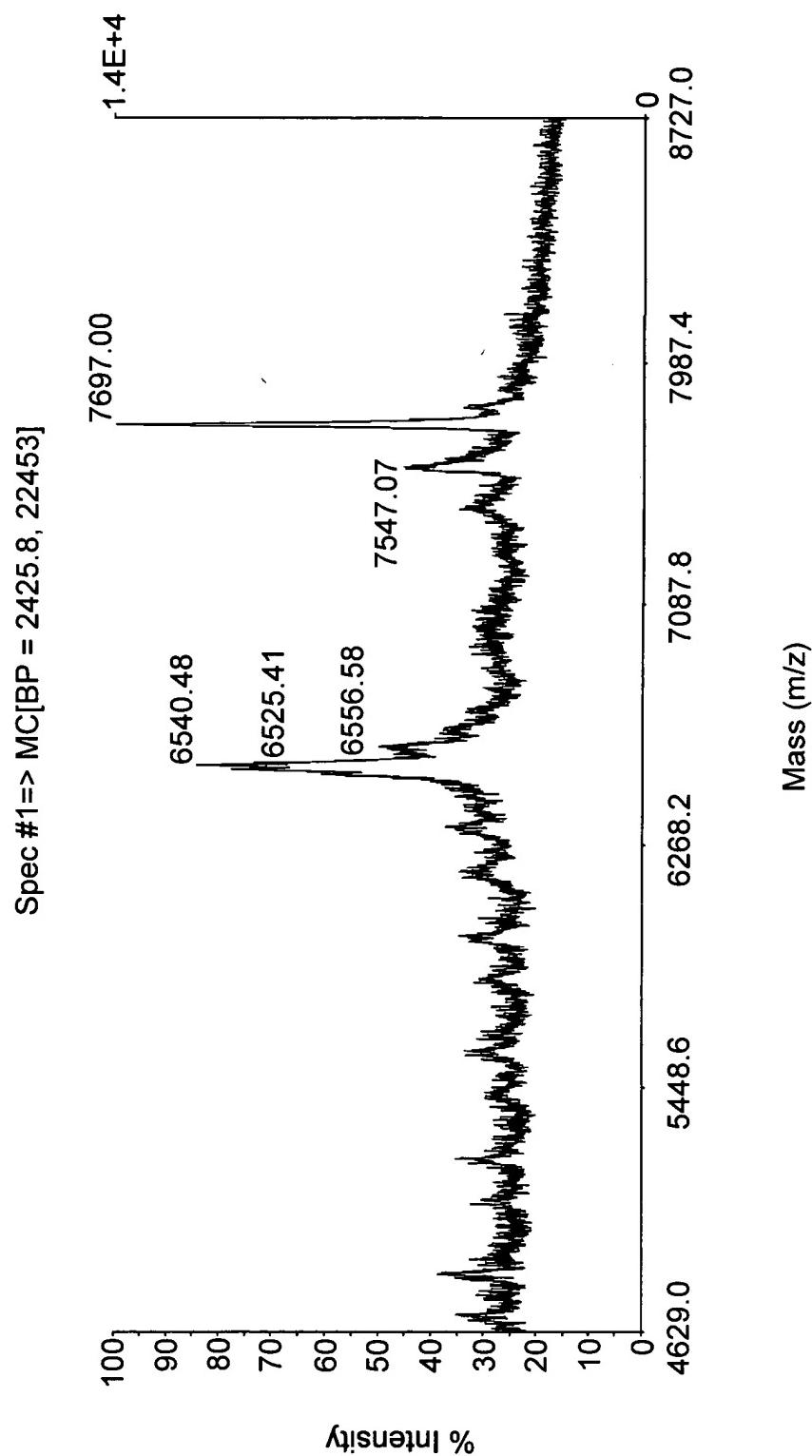


FIG. 6

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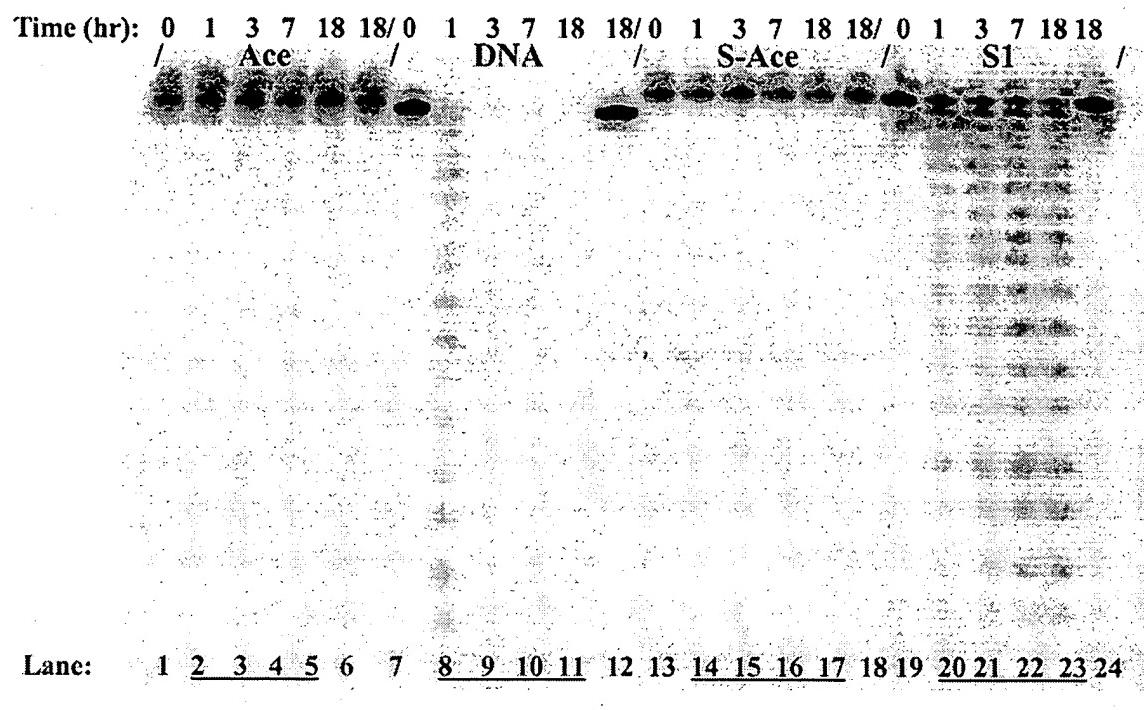


FIG. 7

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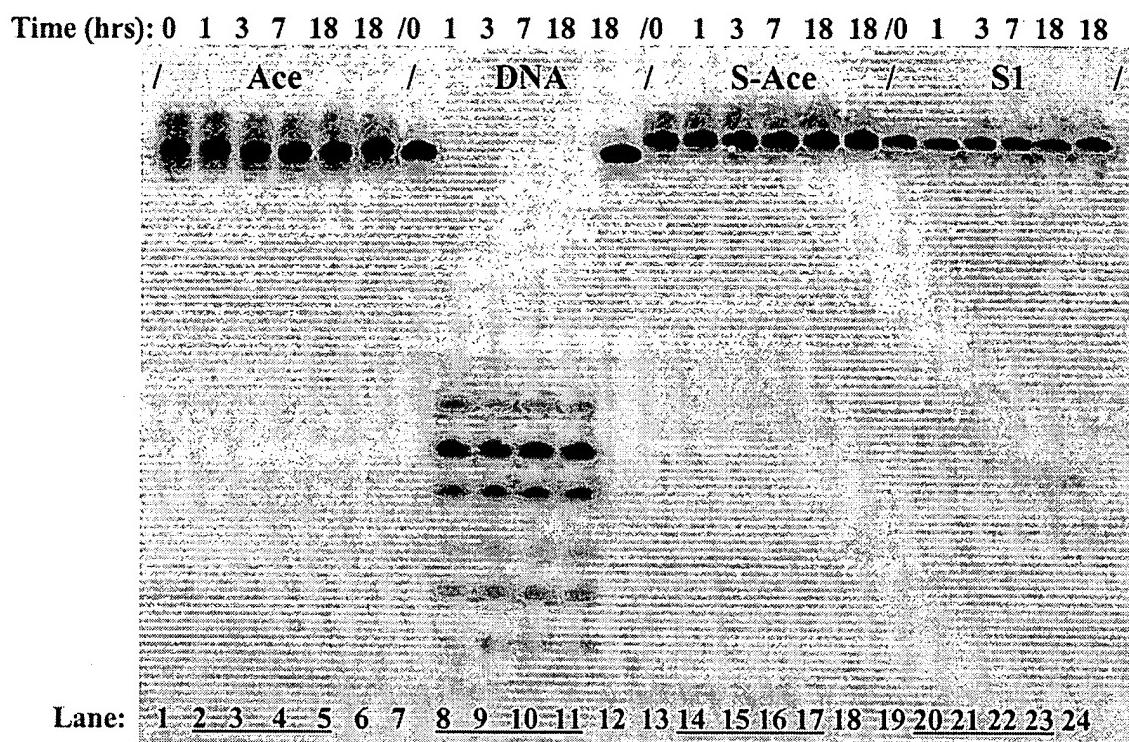


FIG. 8

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Lane: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Enz : - + - + - + - + - + - + - + - +
Oligo: none / Ace / DNA / S-Ace / S1 / 2'-OMe / Ace NC / S-Ace NC /

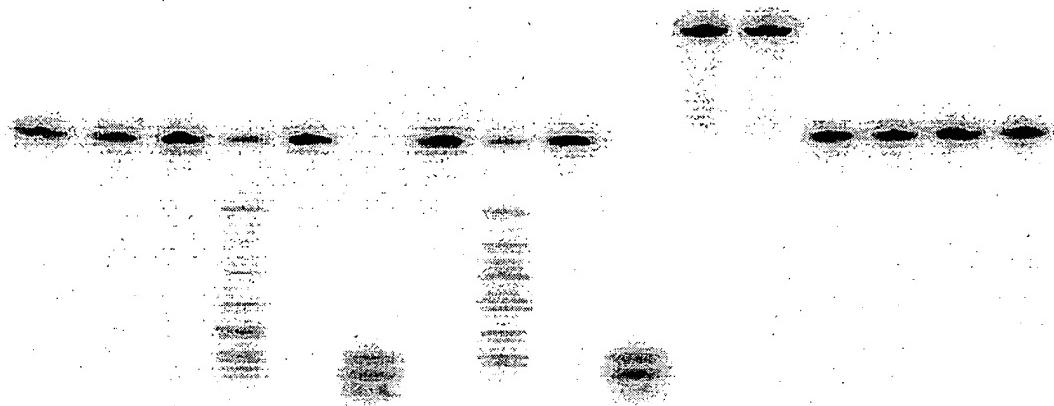


FIG. 9

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